

Data Sources and Collection at the Office of Health Care Statistics



Office of Health Care Statistics

Our office is responsible for collecting and analyzing several types of data.

- Health Care Facilities Database
 - Inpatient discharge data since 1992
 - Emergency Department encounter data since 1996
 - Ambulatory surgery data since 1996
- Health Plan Performance Data
 - Health Effectiveness Data and Information Set (HEDIS)
 - Consumer Assessment of Healthcare Providers and Systems (CAHPS)
- All Payer Claims Database (APCD)



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Health Care Facilities Database

Data Submission

- Required of all licensed inpatient, emergency departments, and ambulatory surgery centers in Utah.
- Current format a rectangular, pipe-delimited file.
- Tremendous amount of duplication, but easy-to-use.
- Submitted on a monthly basis for any hospital with an ED.
- Submitted on a quarterly basis otherwise.
- Processed by a vendor—Mercer.



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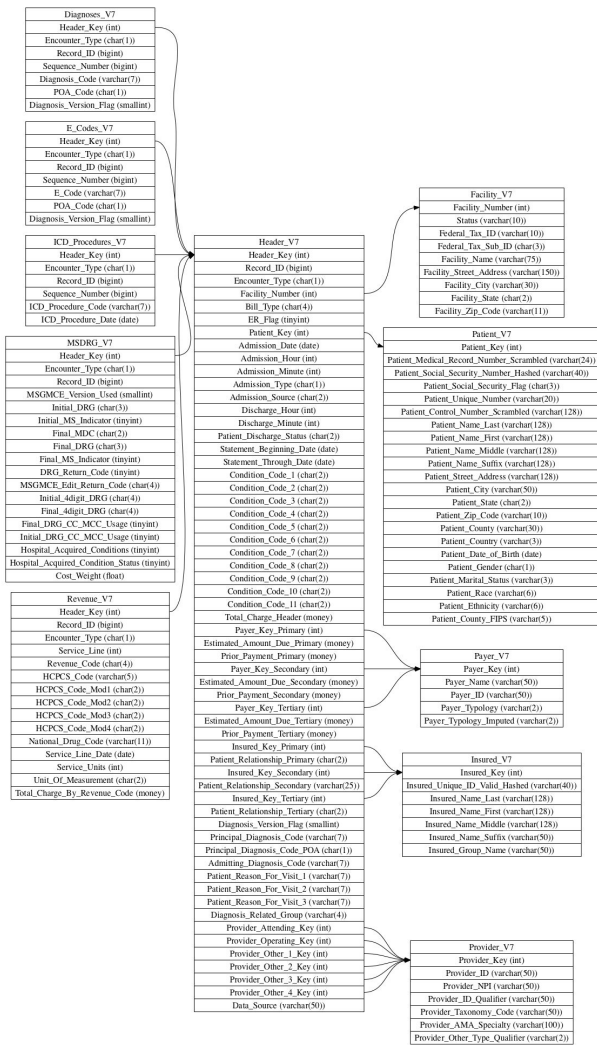
Health Care Facilities Database

Processed Data

- Raw data available 45 days after end-of-month (for most IP/ED).
- Raw data available 45 days after end-of-quarter (some IP/AS).
- Processed into a relational database on a yearly basis (summer).



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All Payer Claims Database

Data are collected monthly by a vendor from:

- Insurance carriers with 2,500 or more Utah covered lives.
- Medicaid fee for service.
- Pharmacy Benefit Managers (PBMs).
- Stand-alone dental insurance carriers.

Data are processed and enhanced semi-annually and a relational database backup is submitted to OHCS.

P.S. Now have Medicare Part A & B from 2008-2016.



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All Payer Claims Database

APCD v1.0

- Medical claims, pharmacy claims, and member eligibility data since 2008.

APCD v2.0

- Began collecting a medical provider file in 2013.
- Dental claims required beginning in 2015.
- Pilot for collecting uninsured claims from community health clinics began in 2016.



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Claims Data

Eligibility files includes data necessary to link a person's records across time and health insurance carriers:

- Patient name, identification numbers, address, birth date, race, ethnicity, employer, plan details, and eligibility dates.

Medical claims (institutional, professional, and dental)

- Diagnoses, procedures, units, dates of services, provider (billing and servicing), charge amounts, and paid amounts.



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Claims Data

Pharmacy claims

- Drug codes (NDC), drug names, dates written and filled, compound drug indicator, units, generic drug indicator, provider (prescribing and pharmacy), refill, charge amounts, and paid amounts.

Provider file

- Health care provider name, identification numbers, and address.



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All Payer Claims Database



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So... what's inside?

- Over 4 million members and over 3 million persons.
 - 97% of Medicaid members and claims
 - Approximately 70% of commercial insurance members and claims.
 - Unfortunately, Supreme Court decided on March 1, 2016 that carriers/administrators cannot be required to submit employers' self-funded data, which makes up about 35% of the commercial market according to the Utah Insurance Department.
 - Approximately 66% of Medicare Advantage members and claims.
 - Medicare Part A & B from 2008-2016
- About 40 million medical claims and 40 million pharmacy claims annually.
- Entire database is approximately 1.5 TB.

Data Submission Guides/User Manual



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Data Submission Guide (DSG)

- https://gitlab.com/UtahOHCS/APCD_DSG
- http://stats.health.utah.gov/wp-content/uploads/2019/05/Utah-HFD_2018_DSG_v2.1_20190506_FINAL.pdf

Data User Manuals (DUM)

- https://gitlab.com/UtahOHCS/APCD_DUM/
- https://gitlab.com/UtahOHCS/HFD_DUM

Available Data Sets

How do we get this valuable resource into the hands of brilliant minds such as yourselves?

- Limited-use data sets
 - Claims-centric
 - Patient-centric
- Research data sets
- Sample data sets
- University of Utah's institutional license
- IBIS



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Available Data Sets, cont.

How do we get this valuable resource into the hands of brilliant minds such as yourselves?

- Determine needed variables.
 - See user manuals in previous slide.
- Contact Mike Martin <mikemartin@utah.gov>
- Fill out [Internal Data Use Agreement/Confidentiality Pledge](#).
- Receive IRB approval (if needed).

OR

Use [IBIS-PH](#) for simple queries. Or ask OHCS analytic staff.



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Resources

[OHCS website](#)

[IBIS-PH](#)

[Utah Office of Health Care Statistics / Utah APCD Data Submission Guide](#)

[UTAH HEALTHCARE FACILITY DATA SUBMISSION GUIDE](#)

[APCD Data User Manual](#)

[Healthcare Facilities Database Data User Manual](#)

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